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Intellectual Property Administration  
P. O. Box 272400  
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PATENT APPLICATION

ATTORNEY DOCKET NO. 200314065-1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Ming C. Hao et al

Confirmation No.: 8534

Application No.: 10/774315

Examiner:

Filing Date: Feb 06, 2004

Group Art Unit: 2171

Title: Method And System For Automated Visual Comparison Based On User Drilldown Sequences

Mail Stop Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e)(1) or (2), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
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Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

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Typed Name: **Be Henry**

Signature: Be Henry

Respectfully submitted,

Ming C. Hao et al

By Philip Lyren

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JAN 27 2005

PATENT &amp; TRADEMARK OFFICE

PTO/SB/08B (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |             |
|------------------------|-------------|
| Application Number     | 10/774,315  |
| Filing Date            | 2/6/04      |
| First Named Inventor   | Ming C. Hao |
| Art Unit               | 2171        |
| Examiner Name          |             |
| Attorney Docket Number | 200314065-1 |

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    | 1                     | MING HAO, US App. 09/609,101 filed 6-30-00, Method and Apparatus for Visual Mining of Multiple Simultaneous Presentations by Plugging in a Plurality of Existing Graphic Toolkit  |                |
|                    | 2                     | MING HAO, US App. 10/694,076, filed 10-27-03, Visual Boundaries for Aggregate Information in Pixel-Oriented Graphs  |                |
|                    | 3                     | MING HAO, US App 10/941114 filed 9-15-04, Constructing Substantially Equal-Width Pixel Bar Charts to Enable Visual Data Analysis  |                |
|                    | 4                     | DANIEL KEIM, Pixel Bar Charts: A New Technique for Visualizing Multi-Attribute Data Sets Without Aggregation, IEEE/InfoVis2001  |                |
|                    | 5                     | MING HAO, VisImpact: Business Impact Visualization, HP Technical Report, June, 2003   |                |
|                    | 6                     | MING HAO, Visual Mining of E-Customer Behavior Using Pixel Bar Charts, HP Technical Report, October 15, 2004  |                |
|                    | 7                     | DANIEL KEIM, Designing Pixel-Oriented Visualization Techniques: Theory and Applications, IEEE Transactions on Visualization and Computer Graphics, Vol. 6, No. 1, Jan-Mar 20  |                |
|                    | 8                     | DANIEL KEIM, PixelMaps: A New Visual Data Mining Approach for Analyzing Large Spatial Data Sets, ICDM 2003, 3rd IEEE International Conference on Data Mining, Melbourne, FL   |                |
|                    | 9                     | DANIEL KEIM, Visual Techniques for Exploring Databases, Invited Tutorial, Int. Conference on Knowledge Discovery in Databases (KDD'97), Newport Beach, CA, 1997   |                |
|                    |                       |   |                |

|                    |  |                 |  |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|--|-----------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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